Journal of Geography

A Magazine for Schools

Volume LXVII
1968

PUBLISHED BY
THE NATIONAL COUNCIL FOR GEOGRAPHIC EDUCATION
ROOM 1532 111 W. WASHINGTON STREET
CHICAGO, ILLINOIS 60602

INDEX TO VOLUME LXVII

A

Aerial Photographs: A Tool for Teaching High School Geography, Edward A. Fernald, 147-151
Aldrich, Frank T., The World of 1509—A Globe Constructed from Gores after Martin Waldseemüller, 89-94
American Geography: Image and Challenge, Alfred H. Meyer, 460-461
Anderson, Randall C., Introducing Concepts from Cultural Geography through Problem-Solving, 29-35
Another September, Daniel Jacobson, 332-333
Archbold, John C., and James F. Parsley, Jr., Emphasizing the Geography of Air Pollution, 499-502
Atherton Tableland: A Dairyland in the Tropics, The, D. J. de Laubenfels, 104-107
Augelli, John P., Regional Geography in Revolution, 68-69

B

Baker, Simon, Shifting Agriculture in Ceylon, 564-568
———Tea Production in Ceylon, 49-55
Basile, Robert M., A Flow Chart for the Determination of Climate Types, 352-354
Batek, Josef, and Andreas Grotewold, Culture and Economic Development: South Africa versus Peru, 484-489
Best, Thomas D., Pictures from Planes: Some Marginal Notes, 466-473
Beyer, Barry K., and Herbert F. Dir, Implementing Curriculum Change in Geography: An Approach and Appraisal, 423-428
Birdsall, Stephen S., The Effect of Management on Crop Yields in Soviet Agriculture, 95-103
Boal Frederick W., Technology and Urban Form, 229-236
Bucksar, Richard G., Significant Changes in the American Egg Industry, 36-41

C

Chabe, Alexander M., Soviet Economic Life at Mid-Century, 490-498
Changing Agricultural Patterns on the South Carolina Sea Islands, Paul Sanford Salter, 223-228
Child's Ability to Read Maps: Summary of the Research, A, Haig A. Rushdoony, 213-222
Children's Awareness of Physical Geography, Jack M. Sheridan, 82-86
Children's Understanding of Regional Geography, Bertrand Stanley Roberson, 152-155
College Geography in the United States, John F. Lounsbury, 282-287
College Town: An Urban Laboratory, The, George L. McDermott, 134-137
Colorado River International Boundary, The, James E. Hill, Jr., 545-547
Computer Assisted Instruction in Geography, Gordon J. Fielding, 474-483
Conjure Up a Map—A Crucial But Much Neglected Skill, Sidney J. Drumheller, 140-146
Conservational Management of American Resources: 1967 Perspective, J. Russell Whitaker, 334-341
Council at Work, The, 57, 114, 116, 244, 246, 312-322, 381, 440-443, 570
Creation, Utilization, and Depletion of Resources as Cultural Phenomena, The, David E. Kromm, 462-465
Culture and Economic Development: South Africa versus Peru, Josef Batek and Andreas Grotewold, 484-489
Cunningham, Glenn, and James Vernon, Some Extremes of Weather and Climate, 530-535

D

Dambaugh, Luella N., Santo Domingo De Los Colorados (Ecuador) and its Environs, 172-178
Davis, O. L., Jr., and Francis P. Hunkins, The Usefulness of a Map with Geographic Text, 362-366
de Laubenfels, D. J., The Atherton Tableland: A Dairyland in the Tropics, 104-107
Delaney, Arthur A., Postmark: Long Island, 536-539
Dir, Herbert F., and Barry K. Beyer, Implementing Curriculum Change in Geography: An Approach and Appraisal, 423-428
Distinguished Service Award, 504
Dixon, Gale, Lightweight Landform Models, 355-361
Drumheller, Sidney J., Conjure Up a Map—A Crucial But Much Neglected Skill, 140-146
Dutt, Ashok K. and Robert B. Monier, Zuyder Zee Project, 374-377

E

Earney, Fillmore C., Mushrooms and Mines: A Study in Horticulture, 42-48
Education of a Geographer: 1962-1967, The, Robert B. McNee, 70-75
Educational Objectives of High School Geography, The, Nicholas Helburn, 274-281
Edwards, John Hayes, Who Can Find It on the Wall Map?, 87-88
Effect of Management on Crop Yields in Soviet Agriculture, The, Stephen S. Birdsall, 95-103
Ekblaw, Sidney E., Teaching Geography Teachers, 396-397
Elementary School Child's Concept of Scale, The, John O. Towler and L. D. Nelson, 24-28
Emphasizing the Geography of Air Pollution, John C. Archbold and James F. Parsley, Jr., 499-502
English, Paul Ward, Landscape, Ecosystem, and Environmental Perception: Concepts in Cultural Geography, 198-205

F

Fernald, Edward A., Aerial Photographs: A Tool for Teaching High School Geography, 147-151
Fielding, Gordon J., Computer Assisted Instruction in Geography, 474-483
Flow Chart for the Determination of Climate Types, A, Robert M. Basile, 352-354
Foci for Geography, James E. Landing, 76-78
Friedman, Herbert H., Spatializing the Concept of a Neighborhood, 79-81
From the Specific to the General, Thomas P. Lewis, Jr., 540

G

Games as Educational Media, Roger E. Kasperson, 409-422
Geographers and Remote Sensing, Jane Lancaster, 301-310
Geographic Materials Received, 120, 122, 250, 324, 387, 445, 508-510, 572
Geography in the Elementary Schools of the United States, Henry J. Warman, 262-273
Getis, Arthur, Teaching Urbanism—A Geographic Viewpoint, 206-210
Gildea, Ray Y., Programmed Learning: Its Relationship to Geographical Education, 541-544
Griffin, Donald W., and Richard E. Preston, Land Use in the Central Commercial Area, 342-351
Grotewold, Andreas, and Josef Batek, Culture and Economic Development: South Africa versus Peru, 484-489

H

Harper, Robert A., More Geography, Not "The Elements of . . .", 132-133
Harris, Chauncy D., The International Fellowship of Geographers, 260-261
———Stephen Sargent Visher—1887-1967, 378-379
Hellburn, Nicholas, The Educational Objectives of High School Geography, 274-281
Hill, James E., Jr., The Colorado River International Boundary, 545-547
Hunkins, Francis P., and O. L. Davis, Jr., The Usefulness of a Map with Geographic Text, 362-366

I

Implementing Curriculum Change in Geography: An Approach and Appraisal, Barry K. Beyer and Herbert F. Dir, 423-428
Interdependence, John W. Morris, 196-197
International Fellowship of Geographers, The, Chauncy D. Harris, 260-261
Introducing Concepts from Cultural Geography through Problem-Solving, Randall C. Anderson, 29-35

J

Jacobson, Daniel, Another September, 332-333
Johnson, Brian A., The Use of Theoretical Models in Geography Teaching, 237-240

K

Kasperson, Roger E., Games as Educational Media, 409-422
Kennamer, Lorrin, Jr., The National Council for Geographic Education: Purpose and Perspective, 288-292
Kostbade, J. Trenton, The Regional Concept and Geographic Education, 6-12
Kromm, David E., The Creation, Utilization, and Depletion of Resources as Cultural Phenomena, 462-465

L

Lancaster, Jane, Geographers and Remote Sensing, 301-310
Land Use in the Central Commercial Area, Richard E. Preston and Donald W. Griffin, 342-351
Landing, James E., Foci for Geography, 76-78
——— Peppermint and Spearmint in the United States, 548-553
Landscape, Ecosystem, and Environmental Perception: Concepts in Cultural Geography, Paul Ward English, 198-205
Latitude, Sunrays, and a Ten-Inch Protractor, J. C. Yoder, 138-139
Lewis, Thomas P., Jr., From the Specific to the General, 540
Lightweight Landform Models, Gale Dixon, 355-361
Lounsbury, John F., College Geography in the United States, 282-287

M

Making of a Geographer, The, S. Van Valkenburg, 524-525
Massey, Donald, Using Climatic Charts in Elementary Schools, 108-111
McAulay, J. D., Physical Geography in the Primary Grades, 18-23
McDermott, George L., The College Town: An Urban Laboratory, 134-137
McNee, Robert B., The Education of a Geographer: 1962-1967, 70-75
Meyer, Alfred H., American Geography: Image and Challenge, 460-461
Miller, E. Willard, Some Themes of the American Conservation Movement, 161-165
Model for Geography, A, Richard L. Nostrand, 13-17
Monier, Robert B. and Ashok K. Dutt, Zuyder Zee Project, 374-377
More Geography, Not "The Elements of . . .", Robert A. Harper, 132-133
Morris, John W., Interdependence, 196-197
Mountain "Y + O" Diagram, The, Laurence Grambow Wolf, 403-408
Murton, Curtis, S., Jr., The Preparation of Junior and Community College Geography Instructors, 156-160

Mushrooms and Mines: A Study in Horticulture, Fillmore C. Earney, 42-48

N

National Council for Geographic Education: Purpose and Perspective, The, Lorrin Kennamer, Jr., 288-292
NDEA Institutes in Geography, 182, 184
Nelson, L. D., and John O. Towler, The Elementary School Child's Concept of Scale, 24-28
Newsprint Manufacturing in the Southeast, R. Paul Terrell, 429-435
Nostrand, Richard L., A Model for Geography, 13-17

O

Objectives of Geographic Education, The, Neville V. Scarfe, 4-5
Oliver, John E. The Thermohyet Diagram as a Teaching Aid in Climatology, 554-563

P

Parsley, James F., Jr., and John C. Archbold, Emphasizing the Geography of Air Pollution, 499-502
Pattison, William D., Regional Geography in the American School: Clarification of an Opportunity, 398-402
Pear Industry of the Medford, Oregon, Area, The, Herbert J. Vent and Robert E. Vent, 166-171
Peppermint and Spearmint in the United States, James E. Landing, 548-553
Physical Geography in the Primary Grades, J. D. McAulay, 18-23
Pictures from Planes: Some Marginal Notes, Thomas D. Best, 466-473
Population Growth and the Six Year Old, Haig A. Rushdoony, 367-373
Postmark: Long Island, Arthur A. Delaney, 536-539
Preparation of Junior and Community College Geography Instructors, The, Curtis S. Murton, Jr., 156-160
Preston, Richard E., and Donald W. Griffin, Land Use in the Central Commercial Area, 342-351
Preview of Films, 59, 118, 186, 248, 323, 386, 444, 506, 571
Programmed Learning: Its Relationship to Geographical Education, Ray Y. Gildea, 541-544

R

Rana, Ratna Shumsher, The Summer Monsoon in India, 293-300
Regional Concept and Geographic Education, The, J. Trenton Kostbade, 6-12
Regional Geography in Revolution, John P. Augelli, 68-69
Regional Geography in the American School: Clarification of an Opportunity, William D. Pattison, 398-402
Roberson, Bertrand Stanley, Children's Understanding of Regional Geography, 152-155
Role of Biogeography in Education, The, E. J. Wilhelm, Jr., 526-529
Rushdoony, Haig A., A Child's Ability to Read Maps: Summary of the Research, 213-222
——— Population Growth and the Six Year Old, 367-373

S

Salter, Paul Sanford, Changing Agricultural Patterns on the South Carolina Sea Islands, 223-228
Santo Domingo De Los Colorados (Ecuador) and its Environs, Luella N. Dambaugh, 172-178
Scarfe, Neville V., The Objectives of Geographic Education, 4-5
Schallert, Richard E., Toward Structuring Geography: What Should Be Memorized?, 211-212
Sheridan, Jack M., Children's Awareness of Physical Geography, 82-86
Shifting Agriculture in Ceylon, Simon Baker, 564-568
Significant Changes in the American Egg Industry, Richard G. Bucksar, 36-41
Simple Method of Preserving Soil Profiles, A, Nancy Taylor Stonington, 436-438
Some Extremes of Weather and Climate, Glenn Cunningham and James Vernon, 530-535
Some Themes of the American Conservation Movement, E. Willard Miller, 161-165
Soviet Economic Life at Mid-Century, Alexander M. Chabe, 490-498
Spatializing the Concept of a Neighborhood, Herbert H. Friedman, 79-81
Stonington, Nancy Taylor, A Simple Method of Preserving Soil Profiles, Nancy Taylor Stonington, 436-438
Summer Monsoon in India, The, Ratna Shumsher Rana, 293-300

T

Tea Production in Ceylon, Simon Baker, 49-55
Teaching Geography Teachers, Sidney E. Ekblaw, 396-397
Teaching Urbanism—A Geographic Viewpoint, Arthur Getis, 206-210
Technology and Urban Form, Frederick W. Boal, 229-236
Terrell, R. Paul, Newsprint Manufacturing in the Southeast, 429-435
Thermohyet Diagram as a Teaching Aid in Climatology, The, John E. Oliver, 554-563
They Want to Know, 56, 112, 180, 242, 311, 380, 439, 503, 569
Toward Structuring Geography: What Should Be Memorized?, Richard E. Schallert, 211-212
Towler, John O. and L. D. Nelson, The Elementary School Child's Concept of Scale, 24-28

U

Use of Theoretical Models in Geography Teachin, The, Brian A. Johnson, 237-240
Usefulness of a Map with Geographic Text, The, O. L. Davis, Jr. and Francis P. Hunkins, 362-366
Using Climatic Charts in Elementary Schools, Donald Massey, 108-111

V

Van Valkenburg, S., The Making of Geographer, 524-525
Vent, Herbert J. and Robert E. Vent, The Pear Industry of the Medford, Orgon, Area, 166-171
Vernon, James, and Glenn Cunningham, Some Extremes of Weather and Climate, 530-535
Visher, Stephen Sargent—1887-1967, Chauncey D. Harris, 378-379

W

Warman, Henry J., Geography in the Elementary Schools of the United States, 262-273
Whitaker, J. Russell, Conservational Management of American Resources: 1967 Perspective, 334-341
Who Can Find It on the Wall Map?, John Hayes Edwards, 87-88
Wilhelm, E. J., Jr., The Role of Biogeography in Education, 526-529
World of 1509—A Globe Constructed from Gores after Martin Waldseemüller, The, Frank T. Aldrich, 89-94
Wolf, Laurence Grambow, The Mountain "Y + O" Diagram, 403-408

Y

Yoder, J. C., Latitude, Sunrays, and a Ten-Inch Protrator, 138-139

Z

Zuyder Zee Project, Ashok K. Dutt and Robert B. Monier, 374-377

Books in Brief

B

Bartholomew, John, ed., The Times Atlas of the World, 392
Buckholts, Paul, Political Geography, 389-390

C

Carlson, Lucile, Africa's Lands and Nations, 327
Church, R. J. Harrison, Peter Hall, G. R. P. Lawrence, W. R. Mead, and Alice Mutton, An Advanced Geography of Northern and Western Europe, 573-574
Cohen, Saul B., ed., Problems and Trends in American Geography, 518 & 520
Cole, John P., Latin America, An Economic and Social Geography, 125

D

Day, John A., The Science of Weather, 574
Dempster, Prue, Japan Advances: A Geographic Study, 452 & 455
Drummond, Harold D. and Fred A. Sloan, Jr., The Western Hemisphere, 327-328

E

East, W. Gordon, An Historical Geography of Europe, 455-456
Educational Media Index, 448 & 450

F

Friis, Herman, ed., The Pacific Basin, A History of its Geographical Exploration, 188-189

G

Garrison, W. L. and D. F. Marble, eds., Quantitative Geography, Volume I: Economic and Cultural Topics; Volume II; Physical and Geographic Topics, 574-575
Gresswell, R. Kay, Physical Geography, 252-253
Gunn, Angus M., Patterns in World Geography, 450 & 452

H

Hart, John Fraser, The Southeastern United States, 448
Harwick, Francis C. and others, Teaching History and Geography, 575-576

J

James, Lennie B. and LaMonte Crape, Geography for Today's Children, 512-516
Johnson, Alvin, W. Allen Wallis, and David L. Sills, eds., International Encyclopedia of the Social Sciences, 573

K

Kendall, H. M., R. M. Glendinning, and C. H. McFadden, Introduction to Physical Geography, 388

M

Miller, Polly and Leon Gordon Miller, Lost Heritage of Alaska, 252

N

Nelson, H. L. Climatic Data for Representative Stations of the World, 388-389

O

O'Connor, A. M., An Economic Geography of East Africa, 60

R

Rawson, Robert R., The Monsoon Lands of Asia, 326-327
Roepke, Howard G., ed., Readings in Economic Geography, 254-255
Russell, Richard J. River Plans and Sea Coast, 512

S

Smith, Datus C., The Land and People of Indonesia (revised), 516 & 518
Sopher, David E., Geography of Religions, 253-254
Spate, O. H. K. and A. T. A. Learmonth, India and Pakistan: A General and Regional Geography, 325-326
Spencer, J. E., Shifting Cultivation in Southeastern Asia, 125-126

T

Thompson, John H., ed., Geography of New York State, 126-127
Trewartha, Glenn T., Arthur H. Robinson, Edwin H. Hammond, Elements of Geography, 190-192

W

Watson, J. Wreford, J. Oliver and C. H. Foggo, A Geography of Bermuda, 189-190
West, Robert C. and John P. Augelli, Middle America: Its Lands and Peoples, 60 & 62
Wingo, Lowdon, Jr., ed., Cities and Space, The Future Use of Urban Land, 62 & 64
Wise, John H., Geography and the Teacher, 124

CONTENTS FOR VOLUME LXVII

JANUARY

The Objectives of Geographic Education	Neville V. Scarfe	4
The Regional Concept and Geographic Education	J. Trenton Kostbade	6
A Model for Geography	Richard L. Nostrand	13
Physical Geography in the Primary Grades	J. D. McAulay	18
The Elementary School Child's Concept of Scale	John O. Towler and L. D. Nelson	24
Introducing Concepts from Cultural Geography through Problem-Solving	Randall C. Anderson	29
Significant Changes in the American Egg Industry	Richard G. Bucksar	36
Mushrooms and Mines: A Study in Horticulture	Fillmore C. Earney	42
Tea Production in Ceylon	Simon Baker	49
They Want to Know		56
The Council at Work		57
Preview of Films		59
Books in Brief		60

FEBRUARY

Regional Geography in Revolution	John P. Augelli	68
The Education of a Geographer: 1962–1967	Robert B. McNee	70
Foci for Geography	James E. Landing	76
Spatializing the Concept of a Neighborhood	Herbert H. Friedman	79
Children's Awareness of Physical Geography	Jack M. Sheridan	82
Who Can Find It or the Wall Map?	John Hayes Edwards	87
The World of 1509—A Globe Constructed from Gores after Martin Waldseemüller	Frank T. Aldrich	89
The Effect of Management on Crop Yields in Soviet Agriculture	Stephen S. Birdsall	95
The Atherton Tableland: A Dairyland in the Tropics	D. J. de Laubenfels	104
Using Climatic Charts in Elementary Schools	Donald Massey	108
They Want to Know		112
The Council at Work		114
Preview of Films		118
Geographic Materials Received		120
Books in Brief		124

MARCH

More Geography, Not "The Elements of . . ."	Robert A. Harper	132
The College Town: An Urban Laboratory	George L. McDermott	134
Latitude, Sunrays, and a Ten-Inch Protractor	J. C. Yoder	138
Conjure Up a Map—A Crucial But Much Neglected Skill	Sidney J. Drumheller	140
Aerial Photographs: A Tool for Teaching High School Geography	Edward A. Fernald	147
Children's Understanding of Regional Geography	Bertrand Stanley Roberson	152
The Preparation of Junior and Community College Geography Instructors	Curtis S. Murton, Jr.	156
Some Themes of the American Conservation Movement	S. Willard Miller	161
The Pear Industry of the Medford, Oregon, Area	Herbert J. Vent and Robert E. Vent	166
Santo Domingo De Los Colorados (Eduador) and its Environs	Luella N. Dambaugh	172
They Want to Know		180
NDEA Institutes in Geography		182
Preview of Films		186
Books in Brief		188

APRIL

Interdependence	John W. Morris	196
Landscape, Ecosystem, and Environmental Perception: Concepts in Cultural Geography	Paul Ward English	198
Teaching Urbanism—A Geographic Viewpoint	Arthur Getis	206
Toward Structuring Geography: What Should be Memorized?	Richard E. Schallert	211
A Child's Ability to Read Maps: Summary of the Research	Haig A. Rushdoony	213
Changing Agricultural Patterns on the South Carolina Sea Islands	Paul Sanford Salter	223
Technology and Urban Form	Frederick W. Boal	229
The Use of Theoretical Models in Geography Teaching	Brian A. Johnson	237
They Want to Know		242
The Council at Work		244
Preview of Films		248
Geographic Materials Received		250
Books in Brief		252

MAY

The International Fellowship of Geographers	Chauncy D. Harris	260
Geography in the Elementary Schools of the United States	Henry J. Warman	262
The Educational Objectives of High School Geography	Nicholas Helburn	274
College Geography in the United States	John F. Lounsbury	282
The National Council for Geographic Education: Purpose and Perspective	Lorrin Kennamer, Jr.	288
The Summer Monsoon in India	Ratna Shumsher Rana	293
Geographers and Remote Sensing	Jane Lancaster	301
They Want to Know		311
The Council at Work		312
Preview of Films		323
Geographic Materials Received		324
Books in Brief		325

SEPTEMBER

Another September	Daniel Jacobson	332
Conservational Management of American Resources: 1967 Perspective	J. Russell Whitaker	334
Land Use in the Central Commercial Area	Donald W. Griffin and Richard E. Preston	342
A Flow Chart for the Determination of Climate Types	Robert M. Basile	352
Lightweight Landform Models	Gale Dixon	355
The Usefulness of a Map with Geographic Text	O. L. Davis, Jr. and Francis P. Hunkins	362
Population Growth and the Six Year Old	Haig A. Rushdoony	367
Zuyder Zee Project	Ashok K. Dutt and Robert B. Monier	374
Stephen Sargent Visher—1887-1967	Chauncy D. Harris	378
They Want to Know		380
The Council at Work		381
Preview of Films		386
Geographic Materials Received		387
Books in Brief		388

OCTOBER

Teaching Geography Teachers	Sidney E. Ekblaw	396
Regional Geography in the American School: Clarification of an Opportunity	William D. Pattison	398
The Mountain "Y + O" Diagram	Laurence Grambow Wolf	403
Games as Educational Media	Roger E. Kasperson	409
Implementing Curriculum Change in Geography: An Approach and Appraisal	Barry K. Beyer and Herbert F. Dir	423
Newsprint Manufacturing in the Southeast	R. Paul Terrell	429
A Simple Method of Preserving Soil Profiles	Nancy Taylor Stonington	436
They Want to Know		439
The Council at Work		440
Preview of Films		444
Geographic Materials Received		445
Books in Brief		448

NOVEMBER

American Geography: Image and Challenge	Alfred H. Meyer	460
The Creation, Utilization, and Depletion of Resources as Cultural Phenomena	David E. Kromm	462
Pictures from Planes: Some Marginal Notes and a Proposition	Thomas D. Best	466
Computer Assisted Instruction in Geography	Gordon J. Fielding	474
Culture and Economic Development: South Africa Versus Peru	Josef Batek and Andreas Grotewold	484
Soviet Economic Life at Mid-Century	Alexander M. Chabe	490
Emphasizing the Geography of Air Pollution	John C. Archbold and James F. Parsley, Jr.	499
They Want to Know		503
Distinguished Service Award		504
Preview of Films		506
Geographic Materials Received		508
Books in Brief		512

DECEMBER

The Making of a Geographer	S. Van Valkenburg	524
The Role of Biogeography in Education	E. J. Wilhelm, Jr.	526
Some Extremes of Weather and Climate	Glenn Cunningham and James Vernon	530
Postmark: Long Island	Arthur A. Delaney	536
From the Specific to the General	Thomas P. Lewis, Jr.	540
Programmed Learning: Its Relationship to Geographic Education	Ray Y. Gildea	541
The Colorado River International Boundary	James E. Hill, Jr.	545
Peppermint and Spearmint in the United States	James E. Landing	548
The Thermohyet Diagram as a Teaching Aid in Climatology	John E. Oliver	554
Shifting Agriculture in Ceylon	Simon Baker	564
They Want to Know		569
The Council at Work		570
Preview of Films		571
Geographic Materials Received		572
Books in Brief		573